



PTO/SB/08A (08-03)

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	10/553,249		
		Filing Date	October 17, 2005		
		First Named Inventor	LeDuc, et al.		
		Art Unit	1645		
Examiner Name		Not Yet Assigned			
Sheet	1	of	5	Attorney Docket Number	040285PCTUS

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
/S.D./		US-4,789,601	12/06/1988	Banes	
/S.D./		US-6,048,723	04/11/2000	Banes	
/S.D./		US-6,037,141	03/14/2000	Banes	
/S.D./		US-6,645,759 B2	11/11/2003	Banes	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
/S.D./		WO 02/35990 A2	May 10, 2002	Prodesco, Inc.		
/S.D./		WO 91/19783	Dec. 26, 1991	E.I. DuPont De Nemours and Company		

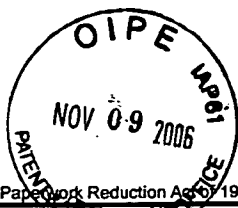
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<b>Substitute for form 1449A PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)  Sheet 2 of 5		<b>Complete if Known</b>	
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		Filing Date	October 17, 2005
		First Named Inventor	LeDuc, et al.
		Art Unit	1645
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	040285PCTUS

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
/S.D./		BOITANO, S., et al., <i>A Role for Ca<sup>2+</sup> -Conducting Ion Channels in Mechanically-induced Signal Transduction of Airway Epithelial Cells</i> , <u>Journal of Cell Science</u> 107, pp. 3037-3044 (1994).	
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		ENGSTROM K, et al., <i>Combined Use of Micropipette Aspiration and Perfusion for Studying Red Blood Cell Volume Regulation</i> , <u>Cytometry</u> 27, pp.345-352 (1997).	
		FERRER I., et al., <i>Phosphorylation-Dependent Mitogen-Activated Protein Kinase (MAPK/ERK), Stress-Activated Protein Kinase/c-Jun N-Terminal Kinase (SAPK/JNK), and p38 Kinase Expression in Parkinson's Disease and Dementia with Lewy Bodies</i> , <u>J Neural Transm</u> 108, pp. 1383-1396, (2001).	
/S.D./		GARCIA-CARDENA G., et al., <i>Mechanosensitive Endothelial Gene Expression Profiles: Scripts for the Role of Hemodynamics in Atherogenesis?</i> , <u>Ann N Y Acad Sci</u> 947: 1-6, (2001).	

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		Filing Date	October 17, 2005		
		First Named Inventor	LeDuc, et al.		
		Art Unit	1645		
Examiner Name	Not Yet Assigned				
Sheet	3	of	5	Attorney Docket Number	040285PCTUS

/S.D./	HAMMERSCHMIDT, S., et al., <i>Apoptosis and Necrosis Induced by Cyclic Mechanical Stretching in Alveolar Type II Cells</i> , <u>Am J Respir Cell Mol Bio</u> 30, pp. 396-402, (2004).
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/S.D./	MALEK, A., et al., <i>Mechanism of Endothelial Cell Shape Change and Cytoskeletal Remodeling in Response to Fluid Shear Stress</i> , <u>Journal of Cell Science</u> , 109, pp. 713-726, (1996).

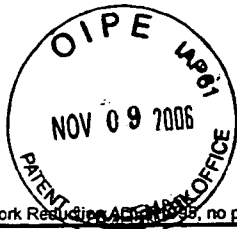
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		Filing Date	October 17, 2005		
		First Named Inventor	LeDuc, et al.		
		Art Unit	1645		
Examiner Name	Not Yet Assigned				
Sheet	4	of	5	Attorney Docket Number	040285PCTUS

/S.D./	MATSUDA, et al., <i>Proliferation and Differentiation of Human Osteoblastic Cells Associated with Differential Activation of MAP Kinases in Response to Epidermal Growth Factor, Hypoxia, and Mechanical Stress in Vitro</i> , <u>Biochemical and Biophysical Research Communications</u> 249, pp. 350-354, (1998).	
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	TOPPER, J., et al., <i>Blood Flow and Vascular Gene Expression: Fluid Shear Stress as a Modulator of Endothelial Phenotype</i> , <u>Mol Med Today</u> 5, pp. 40-46 (1999).	
/S.D./	TRUSKEY, G., et al., <i>The Effect of Fluid Shear Stress Upon Cell Adhesion to Fibronectin-treated Surfaces</i> <u>J Biomed Mater Res</u> 24, pp.1333-1353 (1990).	

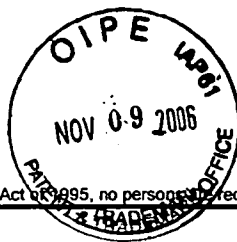
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/S.D./		VAN KOOTEN, T., et al. <i>Fluid Shear Induced Endothelial Cell Detachment from Glass-Influence of Adhesion Time and Shear Stress</i> , <u>Med Eng Phys</u> 16, pp. 506-512 (1994).	
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